

Date: Tuesday, 10/06/2008 12:54:20 PM  
 User: Julie Lecocq

## Process Sheet

<b>Customer</b> :	CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b> :	PLUG
<b>Job Number</b> :	39784		
<b>Estimate Number</b> :	12292		
<b>P.O. Number</b> :		<b>Part Number</b> :	D26513
<b>This Issue</b> :	10/06/2008	<b>Drawing Number</b> :	D2651 REV.B
<b>Prsht Rev.</b> :	NC	<b>Project Number</b> :	N/A
<b>First Issue</b> :	/ /	<b>Drawing Revision</b> :	B
<b>Previous Run</b> :	38742	<b>Material</b> :	
<b>Written By</b> :		<b>Due Date</b> :	19/06/2008
<b>Checked &amp; Approved By</b> :	<u>JULIE LECOCQ</u>	<b>Qty:</b>	200
<b>Comment</b> :	est rev. A 06.02.15 new issue EC	<b>Um:</b>	Each

## Additional Product

Job Number:



<b>Seq. #:</b>	<b>Machine Or Operation:</b>	<b>Description :</b>
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1.0	PG	PURCHASING
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**Comment:** PURCHASING  
 Issue P/O: 6539  
 Purchase P/N: 2-008 as per Dwg D2651  
 Supplier: Parker  
 Ensure Certificate of Conformity is attached

C268/06/110

(200)

2.0	MS28775008	O RING
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**Comment:** Qty.: 1.0000 Each(s)/Unit Total: 200.0000 Each(s)  
 O RING

3.0	PACKAGING 1	PACKAGING RESOURCE #1
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**Comment:** PACKAGING RESOURCE #1  
 Receive & Inspect For Transit Damage  
 Ensure material certification is attached

PU 8/6/12

(200)

4.0	QC6	DIMENSIONAL CHECK
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**Comment:** DIMENSIONAL CHECK  
 Ensure Material certification comply to Dwg D3446

S 08/06/12 (200)

5.0	PACKAGING 1	PACKAGING RESOURCE #1
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**Comment:** PACKAGING RESOURCE #1  
 Identify and Stock  
 Location: \_\_\_\_\_

PU 8/6/13

(200)

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Date: Tuesday, 10/06/2008 12:54:20 PM  
User: Julie Lecocq

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PLUG

Job Number: 39784

Part Number: D26513

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC21

FINAL INSPECTION/W/O RELEASE



08/06/10 *[Signature]*

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



*u 08.06.13*

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

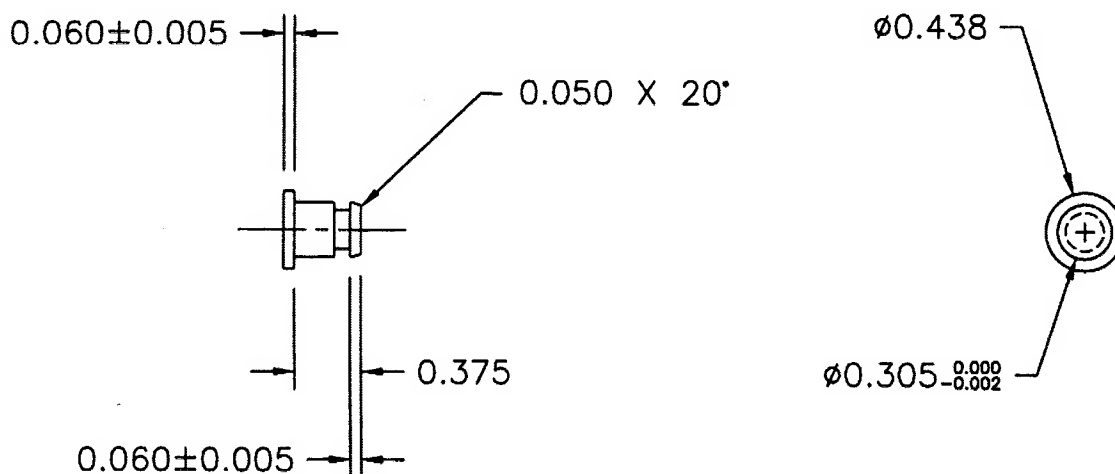


DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D2651	REV. B SHEET 1 OF 1
DATE 03.12.19		TITLE PLUG	SCALE 1:1
A	97.03.25	NEW ISSUE	
B	03.12.19	ADD POWDER COAT, MS28775-008	

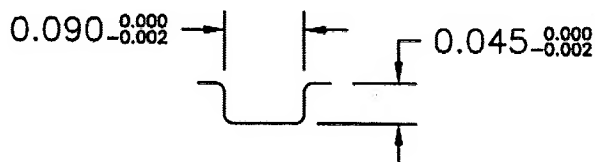
RELEASED

03.12.19

### D2651-1 PLUG:



### GROOVE DETAIL (SCALE 5:1)



### D2651-1 PLUG

- 1) MATERIAL: 6061-T6 (QQ-A-225/8) OR 1100-0 (QQ-A-225/1)
- 2) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1  
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.010 MAX

### D2651-3 O-RING

- 1) MATERIAL: BUNA N, 70 DUROMETER  
3/16 ID, 5/16 OD, 1/16 WIDTH  
(PARKER 2-008, MS28775-008 OR EQUIVALENT)

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 31784

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**- ORDER -**  
**ENGINEERING AND SUPPLY CO., INC.**

☐ CASH SALE ☐ PICKING TICKET  
☐ DIRECT ☐ CREDIT CARD

SHIPPED FROM:

SWAN ENGINEERING AND SUPPLY CO., INC.

DISTRIBUTOR OF:  
 AULIC HOSE & COUPLINGS  
 RINGS, TEFLON SEALS  
 PACKINGS

550 SHAWNEE AVE. KANSAS CITY, KS 66105-2184  
 (913) 371-7425 (800) 444-7425 FAX (913) 371-4210

**PLEASE NOTE:**

(1) 15% Handling Charge on Returns.  
 (2) Proof of Purchase Required on all Returns.  
 (3) O-rings, seals, gaskets, hose assemblies and items made of rubber are non-returnable after 30 days.  
 (4) No returns after 6 months.  
 (5) Authorization for returns must be obtained from parts manager.

**SHIPPING INSTRUCTIONS**

☐ TODAY SURE ☒ ASAP ☐ CUSTOMER P/U

CARRIER

SHIP VIA:

UPS ☐ RED ☐ BLUE ☐ GROUND

☐ POSTAL ☐ TRUCK ☒ FED EX

M & M AEROSPACE HDW., INC.  
 \*\*FED EX GROUND\*\*  
 P.O. BOX 025263

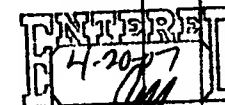
MIAMI, FL 331025263

**THIS MAY NOT BE YOUR INVOICE !!**

PHONE NO. (000) 000-0000

TERMS	CUST NO.	SALES REP	NO. OF PKGS.	SHIPPED VIA	PICK/PACK BY	ORDER PLACED BY	ORDER DATE	SHIP DATE
30	19247	04	2	FED EX	acc/Lm	JON	04/20/07	06/20/07

QUANTITY			PART NUMBER	DESCRIPTION	UNIT PRICE	UNIT	EXTENSION
ORDERED	SHIPPED	BACK ORDERED					
20000.00	20,000	0	MS28775-008.	O-RING	.0510	EA	
O-RING QTY 1 EA M&M AEROSPACE P/N MS28775-008 MFG PARKER SEAL CO							
CURED 1Q07 BATCH 80055115							



**COMPLETED**

acc/Lm 5/15/07

**COMPLETED**

5-16-07 Jm

RECEIVED IN GOOD ORDER BY:

DATE 5-16-07

MDSE. AMOUNT

FREIGHT

STATE

SALES TAX

TOTAL AMOUNT DUE

**ALL CLAIMS FOR SHORTAGES  
 OR DAMAGED GOODS MUST  
 BE MADE WITHIN 48 HOURS.**

This transaction, whether a sale, lease or repair, is subject to Swan Engineering and Supply Co., Inc.'s standard terms and conditions for the particular type of transaction involved, which terms and conditions include, but are not limited to, the following: (1) where such limitations and exclusions are specifically prohibited by applicable law, and except where otherwise previously agreed in writing by Swan Engineering and Supply Co., Inc. with respect to manufacturer's and other warranties, Swan Engineering and Supply Co., Inc. (1) makes NO WARRANTY whatsoever as to the equipment or parts sold or leased or repair services performed and expressly **DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE**; (2) the Customer shall have NO REMEDY whatsoever against Swan Engineering and Supply Co., Inc. as a result of such sale, lease or repair work (including but not limited to the recovery of direct, incidental, special, indirect, or consequential damages, or otherwise, or whether based on contract, tort, strict liability or other legal theory.



# Parker Hannifin Corporation

O-Ring Division  
 Parker Seal de Matamoros  
 Diagonal Lorenzo De La Garza #13 Ciudad  
 H. Matamoros, Tam. 87499, Mexico  
 Phone: (859) 335-3000

— NOTICE —

**This is a C.B.I. Compound!**

C.B.I. is Parker's exclusive quality assurance program for Controlled Batch Identification, your assurance of reliability.

## CONFORMING CERTIFICATE FOR MATERIAL SHIPPED

Parker O-Ring Division certifies that the material used in the manufacture of the parts identified below and called for on Purchase Order Number 181784 received by us from SWAN ENG SPLY KANSAS KS is traceable to C.B.I. Number 0080055115 and that the material used conforms to the requirements of the specifications indicated below. The tests were performed in accordance with these specifications, and data supporting the indicated results are on file.

CUSTOMER PART NUMBER	PARKER PART NUMBER	COLOR CODE	QUANTITY	CURE DATE	SHIP DATE
MS28775-008.	MS28775-008 <sub>0</sub>	N0304 -75	20000	1Q07	05/02/07
TESTED AS: 2-214 & BUTTONS					
PHYSICAL PROPERTIES		REQUIREMENTS	VARIATION	PARKER FINDINGS	
SPECIFICATION MIL-P-25732C		TYPE	CLASS	TEST DT 03/21/07	
ASTMD297 SPECIFIC GRAVITY				(1.26 - 1.30)	1.2800
ASTMD2240 HARDNESS SHORE A			(68 - 80)	(70 - 80)	75
ASTMD1414 TENSILE STRENGTH, PSI			1350 MIN	(1440 - 2160)	1691
ASTMD1414 ELONGATION, %			160 MIN	(160 - 226)	190
MODULUS AT 100% ELONG.			500 MIN	(500 - 9999)	638
TR-10 50% ELONG. 10% RETURN			-49 MAX		-50.0
FLUID AGEING 70 HRS AT 275F IN MIL H-5606					
ASTMD395 COMPRESSION SET % MAX			55		34.2
TR-10			-49 MAX		-52.0
ASTMD2240 HARDNESS CHANGE			+5 -15		-12.0
VOLUME CHANGE			1 +20		20.0

Testing Performed By PSDM Lab  
 Diagonal Lorenzo De La Garza #13 Ciudad  
 H. Matamoros, Tam. 87499, Mexico

CAGE CODE: 02697

No Mercury, Mercury compounds or Mercury bearing instruments, equipment or apparatus which might cause contamination has been used in the manufacture or subsequent processing of material covered by this order.

Purchaser use only. Reproduce only in full. Data pertains to items referenced.

The recording of false, fictitious or fraudulent statements or entries on the certificate may be punishable as a felony under federal law.

The information contained herein is submitted as the privileged and confidential property of the Parker Hannifin Corporation pursuant to 5 U.S.C. Section 552 (b)(3) and (b)(4), the Freedom of Information Act, exemption Number 3 and Number 4. This information shall not be duplicated, used or disclosed in whole or in part outside the recipient organization without express written consent of the Parker Hannifin Corporation.

## O-Ring Division PARKER HANNIFIN CORPORATION

By

Ruben Ramirez  
 Quality Assurance Manager